Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910,1200, Standard must be consulted for specific requirements.



U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved Secretary and the second 1 14 18 4 5



OMB No. 1218-0072 Note: Blank speces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. IDENTITY (As Used on Label and List) (PART A) CS 3207 The second se CONTRACT Section 1 TO ALL WHEN LAW !! **Emergency Telephone Number** Manufacturer's Name 1-(800) 424-9300 CHEM TREC FLAMEMASTER CORP. Address (Number, Street, City, State, and ZIP Code) Telephone Number for Information 1-(818) 982-1650 11120 SHERMAN WAY Date Prepared 91352 MAY 17.1989 CALIF. SUN VALLEY, Signature of Preparer (optional) NSN Section II - Hazardous Ingredients/Identity Information NIOSH # CAS # OSHA PEL -Hazardous Components (Specific Chemical Identity; Common Name(s)) **ACGIH TLY** METHYL BENZENE; TOLUENE XS5250000 108-88-3 200 PPM 100 PPM Section III - Fhysical/Chemical Characteristics 0_F Boiling Point Specific Grawty (H2O = 1) 231 1.50 Vapor Pressure (mm Hg.) Meiting Point LIQUID AT ROOM TEMP. 2 Vapor Density (AIR = 1) Evaporation Rate 0.02 3.1 (Butyl Acetate - 1) Solubility in Water NEGLIGIBLE Appearance and Odor WHITE PASTE, POLYSULFIDE ODOR Section IV — Fire and Explosion Hazard Data Flash Point (Method Used) IEI UEL Flammable Limits ;130⁰F 54⁰C TCC 1.3 7.1 Extinguishing Media COS DRY CHEMICAL FOAM, WATER Special Fire Fighting Procedures IN CONFINED AREAS. WEAR SELF-CONTAINED BREATHING APPARATUS, Unusual Fire and Explosion Hazards VAPORS ARE HEAVIER THAN AIR AND CAN TRAVEL TO SOURCES OF IGNITION OCHA 174, Sopt. 1985

FED-170-31	3 LATEST PE							
Section V —	Peactivity Data							· · · · · · · · · · · · · · · · · · ·
Cidality	פומדימעה	Con	ditions to Avoid					74 - 27 ₂
	Stable	х н:	GH HEAT OR	OPEN FI	LAME.			
incompatibility (Matenais to Avoid)							
Hazardous Decor	mposition or Byprodu	cts	CO, H,S,					
Hazaroous	May Occur		ditions to Avoid	3001, 00		a en		
Polymenzation	Will Not Occur				n en skriver en skriver skrive	and the second	<u> </u>	and the second s
		X N,	/A				, englished	and the second
Section VI — Foctors) of Entry:	Health Hazard	Data		Skin?		I	esuon?	
-		YES		NO		·	YES	
Heash Hazards (/	Acute and Chronic) M	AY CAUS	E EYE, SKI	N AND NO	SE IRRITAT	ION.	MAY LEA	AD MUSCULAI
	AND DIZZIN						LATITUS,	LIVER AND
KIDNEY D	AMAGE.			* :			:	- Co. ***
Carcinogenicity:	NTP	no No		IARC Manog	raphs?	CS	HA Regulated	? NO
Signs and Sympt	oms of Exposure	F NOSE	OR SKIN I	רייביים פרייביים	N HEADAC	HE AND	NAUSEA	
TMDATOED	COORDINATI		· OK DRIN I	<u>idu ihi io</u>	N. HEIDIC		11110011	
Medical Condition	15		COTNC CVIN	DICODDE	DC DECRED	ATIONY	TID A CYTT .	TIVED OD
	ated by Exposure	PRE-EXI	STING SKIN	DISORDE	KD, RESPIR	ATURI	TRACT;	LIVER OR
KIDNEY D	ISEASE. First Aid Procedures							
		EYE CON	TACT - FLU	SH IMMED	IATELY WIT	H LARG	E AMOUN	T OF WATER
	PHYSICIAN.		· WASH WITH		AP AND WAT	ER.		
	- Precautions fo			·				
Sieps to de Take	en in Case Material li	s neiessed of		IGNITIO	N SOURCES.	TRANS	FER TO	SAFETY CON
TAINER.	CLEAN UP R	EMAINDE	R WITH SAN	D OR SWE	EPING COMP	OUND.	WASH AF	EA WITH
SOAP AND								•
Wasie Disposal N	Merroci REACT W	ITH CUF	RING AGENT	AND DISP	OSE AS SOL	ID HAZ	ARDOUS	WASTE
		· ········ · ··· · · · · · · · · · ·						»."
	G TO FEDERA a Taken in Hancling	and Stoning		•			4 70000	
			STORE IN CO	OL, WELL	VENTILATE	D AREA	. GROUN	D CONTAIN-
ERS WHEN Coner Precautions	FILLING OR							
	WASH HANDS	BEFORE	EATING DR	INKING O	R SMOKEING	, AFTE	R HANDL	ING THIS
PRODUCT.								
	 Control Meas 	ures	<u></u>					**************************************
Resourcery Prote	ction (Specify Type) F	OR_VAPO	RS ABOVE 2	00 PPM N	EED SELF-C	ONTAIN	ED BREA	TING APPAS
Venuation	Local Exhaust HOC				pecial			T
Ì	Mechanical (Genera	<i>i</i>)		-	Cther	<u> </u>		
Protocine Gloves		FAN		Eye Prote				
Name Orner	RUBBER Country or Equipmen	nt .			SAFETY G			
		APPROPI	RIATE TO PR	EVENT PR	OLONGED CO	NTACT	WITH SK	IIN.
Workingtonic Pr	TRAIN PE	RSONNEI	IN SAFE H	ANDLING	OF THIS PR	copuer.		
				Page 2				

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.



U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)
Form Approved



29 CFR 1910.1200. Standard must be consulted for specific requirements.

Form Approved OMB No. 1218-0072

consulted for specific requirements.		OMB No.			
IDENTITY (As Used on Label and List) CS 320	07 PART	B Note: Blank inform			s not applicable, or no arked to indicate that,
Section I CONTRACT #			,		•
Manufacturer's Name			Telephone Number		_
FLAMEMASTER CORP Address (Number, Street, City, State, and ZIP Code	al .	1- (80	0) 424-9300 lumber for information		С
11120 SHERMAN WAY	"		8) 982-1650		
· ·	······································	Date Prepare			
SUN VALLEY, CALIF. 91352			, 1989		
•		Signature of	Preparer (optional)		
Section II — Hazardous Ingredients/Ide	entity Informa	tion 1	ISN		
Hazardous Components (Specific Chemical Identity;	; Common Name(s)) OSHA PEL	- ACGIH TLV	NIOSH	# CAS
LEAD DIOXIDE*	(0.05 mg/M^3	0.15 mg/M 3	OG070000	0 1309-60-
LEAD OXIDE*	(0.05 mg/M^3	0.15 mg/M 3	OG175000	0 1317-36-
*THE EXPOSURE LIMITS ARE E	BASED ON I	OUST PARTI	CLES.IN TH	IIS PRODUC	THE LEAD
DIOXIDE/OXIDE PARTICLES ARE	E MELLIED (OUT THEREF	ORE ATRBORN	E PARTICLI	ES WILL NOT
RESULT FROM NORMAL USE.					
MEDOLIT TROM NORMAL COL.					
IMBOLI I KOM NOKIMI OSII.		······································			
INDUIT I NOT WORKED ODD:					
INDUIT I NOT WORTH USE.					
INDUIT INOT WORTHIN USII.					
INDUIT INOT WORTH USE.					
INDUIT I NOT WORTH USIG		F at			
		F as			
Section III — Physical/Chemical Charact	teristics	Specific Gravit	y (H ₂ O = 1)		
Section III — Physical/Chemical Charact onling Point VEHICLE O C		Specific Gravit	y (H ₂ O = 1)		3.00
Section III — Physical/Chemical Charact onling Point VEHICLE C	deristics 340			ROOM TEMP	
ection III — Physical/Chemical Charact oiling Point VEHICLE OC apor Pressure (mm Hg.)	teristics	Specific Gravit	LIQUID AT	ROOM TEMP.	
Section III — Physical/Chemical Charact oiling Point VEHICLE OC apor Pressure (mm Hg.)	deristics 340	Specific Gravit Melting Point	LIQUID AT	ROOM TEMP	
Section III — Physical/Chemical Charact oiling Point VEHICLE October Pressure (mm Hg.) apor Density (AIR = 1) Olubility in Water	340 NIL	Specific Gravit Metting Point Evaporation Ra	LIQUID AT	ROOM TEMP	
Section III — Physical/Chemical Charact Soiling Point VEHICLE (apor Pressure (mm Hg.) apor Density (AIR = 1) ofubility in Water NEGLIGIBLE	340 NIL	Specific Gravit Metting Point Evaporation Ra	LIQUID AT	ROOM TEMP.	
Section III — Physical/Chemical Charact Coiling Point VEHICLE Capor Pressure (mm Hg.) apor Density (AIR = 1) Ofubility in Water NEGLIGIBLE opearance and Odor	340 NIL N/A	Specific Gravit Metting Point Evaporation Ra	LIQUID AT	ROOM TEMP.	
Section III — Physical/Chemical Charact Soiling Point VEHICLE (apor Pressure (mm Hg.) (apor Density (AIR = 1) ofubility in Water NEGLIGIBLE ppearance and Odor RROWN PASTE OILY	NIL N/A	Specific Gravit Metting Point Evaporation Ra	LIQUID AT	ROOM TEMP.	
Section III — Physical/Chemical Charact oiling Point VEHICLE OC apor Pressure (mm Hg.) apor Density (AIR = 1) olubility in Water NEGLIGIBLE opearance and Odor BROWN PASTE OILY ection IV — Fire and Explosion Hazard	NIL N/A	Specific Gravit Metting Point Evaporation Ra (Butyl Acetate	LIQUID AT ate - 1)		NIL .
Section III — Physical/Chemical Charact oiling Point VEHICLE OC apor Pressure (mm Hg.) apor Density (AIR = 1) ofubility in Water NEGLIGIBLE opearance and Odor BROWN PASTE OILY ection IV — Fire and Explosion Hazard	NIL N/A	Specific Gravit Metting Point Evaporation Ra	LIQUID AT ale - 1)	ROOM TEMP	
Section III — Physical/Chemical Charact Soiling Point VEHICLE C Sapor Pressure (mm Hg.) Sapor Density (AIR = 1) Solubility in Water NEGLIGIBLE Spearance and Odor BROWN PASTE OILY Section IV — Fire and Explosion Hazard ash Point (Method Used) > 930 C > 2000 F	NIL N/A	Specific Gravit Metting Point Evaporation Ra (Butyl Acetate	LIQUID AT ate - 1)		NIL .
Section III — Physical/Chemical Charact Soliing Point VEHICLE Apor Pressure (mm Hg.) Apor Density (AIR = 1) Solubility in Water NEGLIGIBLE Opearance and Odor BROWN PASTE OILY ection IV — Fire and Explosion Hazard ash Point (Method Used) > 930 C > 2000 F Stinguishing Media FOAM, DRY CHEMICA	NIL N/A ODOR Data	Specific Gravit Metting Point Evaporation Ra (Butyl Acetate	LIQUID AT ale - 1)		NIL .
Section III — Physical/Chemical Charact voiling Point VEHICLE Tapor Pressure (mm Hg.) Tapor Density (AIR = 1) Tolubility in Water NEGLIGIBLE Opearance and Odor RROWN PASTE OILY The ection IV — Fire and Explosion Hazard Tash Point (Method Used) > 930 C > 2000 F Thinguishing Media FOAM, DRY CHEMICA Secial Fire Fighting Procedures	NIL N/A ODOR Data TCC AL, CO ₂ , W	Specific Gravit Metting Point Evaporation Ra (Butyl Acetate Flammable Lim	LIQUID AT ate - 1)	LEL	NIL
Section III — Physical/Chemical Charact oiling Point VEHICLE OC apor Pressure (mm Hg.) apor Density (AIR = 1) olubility in Water NEGLIGIBLE opearance and Odor BROWN PASTE OILY ection IV — Fire and Explosion Hazard ash Point (Method Used) > 930 C > 2000 F ctinguishing Media FOAM, DRY CHEMICA ectal Fire Fighting Procedures	NIL N/A ODOR Data TCC AL, CO ₂ , W	Specific Gravit Metting Point Evaporation Ra (Butyl Acetate Flammable Lim	LIQUID AT ate - 1)	LEL	NIL
Section III — Physical/Chemical Charact vehicle of the colling Point (AIR = 1) Olubility in Water NEGLIGIBLE opearance and Odor RROWN PASTE OILY ection IV — Fire and Explosion Hazard ash Point (Method Used) > 93°C > 200°F chinguishing Media FOAM, DRY CHEMICA secial Fire Fighting Procedures USE A SELF-CONTAINED BREATH	NIL N/A ODOR Data TCC AL, CO ₂ , W	Specific Gravit Metting Point Evaporation Ra (Butyl Acetate Flammable Lim	LIQUID AT ate - 1)	LEL	NIL
Section III — Physical/Chemical Charact Soiling Point VEHICLE (apor Pressure (mm Hg.) (apor Density (AIR = 1) Outbility in Water NEGLIGIBLE Opearance and Odor RROWN PASTE OILY ection IV — Fire and Explosion Hazard ash Point (Method Used) > 930 C > 2000 F Runguishing Media FOAM, DRY CHEMICA Secial Fire Fighting Procedures USE A SELF-CONTAINED BREATH AREAS. Busual Fire and Explosion Hazards	NIL N/A ODOR Data TCC AL, CO ₂ , W	Specific Gravit Melting Point Evaporation Ra (Butyl Acetate Flammable Lim ATER ATUS WITH	LIQUID AT ate - 1)	LEL IECE, IN C	NIL

AT HIGH TEMPERATURES OCCURS.

Section V —	Reactivity Data							
Stability	Unstable		Conditions to Avoid					
	Stable	x	HIGH HEAT					
Incompatibility	Materials to Avoid)							
Hazardous Deco	mposition or Byprodu		DIZABLE MATERIA	<u> </u>	ر. د.	The state of the s		
Hazardous	May Occur	L.	EAD OXIDE DUST I	AND C	RGANICS			
Polymerization	Will Not Occur					78 July 1988		
		Х	N/A					
	- Health Hazard		•					
Route(s) of Entry		ation?	10	Skun? NO		ingestion? YES		
Health Hazards (Acute and Chronic)	CUTI	E: WEAKNESS, STU	JPOR.				
CHRONIC:	KIDNEY DAMA	AGE,	ANEMIA, REPRODU	JCTIV	E DEFECTS	5		
Carcinogenicity:	NTP	? NO	t	ARC Mor	nographs? NO	OSHA Reguiated? NO		
Signs and Symp	oms of Exposure	ADA	CHE, MUSCLE AND	JOIN	T PAIN, N	NEUROMUSCULAR DYSFUNCTION.		
Medical Condition Generally Aggrav	ns ated by Exposure	ANEI	MIA, KIDNEY DISE	EASE,	PREGNANC	CY.		
Emergency and	First Aid Procedures	ING	ESTION: INDUCE V	OMIT	ING, CONS	SULT A PHYSICIAN AT ONCE.		
			LARGE AMOUNT OF Handling and Use	TAW T	ER AND CO	NTACT PHYSICIAN.		
Steps to Be Take	en in Case Material Is	Releas	sed or Spilled SCOOP UF	AND	TRANSFER	R TO A SAFETY CONTAINER.		
		. 						
Waste Disposal N		'O S1	MELTER FOR RECLA	ITAM	ON OR REA	ACT WITH BASE AND DISPOSE		
			TE AND LOCAL RE	EGULA	TIONS.			
Precautions to Be	Taken in Handling a	and Sto		DRY	AREA. KE	EP CONTAINERS CLOSED		
Other Precautions		BEF(ORE EATING, DRIN	KING	OR SMOKI	NG.		
s.								
Section VIII -	- Control Measu	ıres						
Respiratory Prote	tion (Specify Type) TE DUST T	S FC	RMED USE NIOSH	APPR	OVED RESP	TRATOR -		
Ventilation	Local Exhaust	1100			Special			
}	Mechanical (General)	FAN			Other	·		
Protective Gloves		+ CIIA		Eye Pr	otection SAFET	Y GLASSES		
Other Protective (Clothing or Equipmen	t ADDI	ROPRIATE TO AVOI	D PR	OLONGED C	ONT ACT.		
Work/Hygienic Pr	actices							
	TRAIN P	ERSC	NNEL IN THE SAF	E HA	NDLING OF	THIS PRODUCT.		